



Serial No.: 09/235,686

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ann Xiaoan Liu, et al.

Serial No.: 09/235,686

Filing Date: January 22, 1999

Docket: ACO6105PDUS

Examiner: M. Jackson

Group Art Unit: 1773

For: SYNTHETIC RESIN FILM FOR LAMINATES :
AND METHOD OF PRODUCING SAME :

Assistant Commissioner for Patents
Washington, D.C. 20231

TC 1700 MAIL ROOM

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DECLARATION UNDER 37 CFR 1.132

I, Ann Xiaoan Liu, do hereby declare as follows:

1. I am the technical Manager at Casco Impregnated Papers Inc., Akzo Nobel, Cobourg, Ontario, where I have worked for 8 years.

2. I conducted and/or had control over the following study including examples of the invention, samples 1 and 3, and comparative examples, samples 2 and 4, shown below in Table 1. The samples were prepared in the same manner as those disclosed in the specification. These samples were made to show the importance of the substantially spherical nature of the low profile additive according to the present invention. The additive in all the samples is alumina; the difference between the examples of the invention and the comparative examples being the shape of the alumina.

As shown in Table 1, the samples with the spherical additive had higher scratch resistance values than the samples with the non-spherical additive.

Table 1

Sample #	Paper basis weight g/m2	Film weight g/m2	Spherical particle g/m2	Non-spherical particles g/m2	Scratch With spherical Particles	Scratch With non spherical particles
1	22	90	1.8		3.0	
2	22	90		1.8		2.5
3	70	180	7.0		3.5	
4	70	180		7.0		2.5

3. I conducted and/or had control over the following study including an example of the invention, samples 5, and a comparative example, sample 6, shown below in Table 2. The samples were prepared in the same manner as those disclosed in the specification. These samples were made to show the importance of the substantially spherical nature of the low profile additive according to the present invention. The additive in all the samples is polyethylene (PE); the difference between the examples of the invention and the comparative examples being the shape of the PE.

As shown in Table 2, the samples with the spherical additive had higher scratch resistance values than the samples with the non-spherical additive.

Table 2

Sample #	Paper basis weight g/m2	Film weight g/m2	PE Spherical particle g/m2	PE Non-spherical particles g/m2	Scratch With spherical Particles	Scratch With non spherical particles
5	80	185	1.1		3.5	
6	80	185		1.0		2.5

4. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be

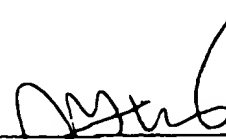
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true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

DATE:

Aug 16/02

BY:



Name: Ann Xiaoan Liu

Title: Technical Manager